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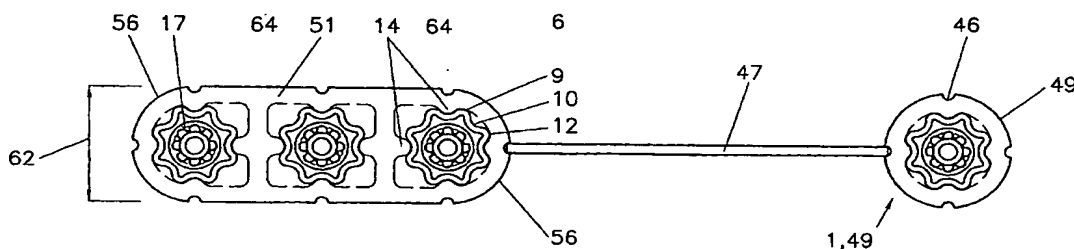
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For two-letter codes and other abbreviations, refer to the "Guid-  
ance Notes on Codes and Abbreviations" appearing at the begin-  
ning of each regular issue of the PCT Gazette.

(54) Title: TOY BUILDING BLOCK



(57) Abstract: A toy building block (1) for stacking is provided on top (4) with one or more studs (3) and in the bottom (7) with recesses (6). The studs (4) show a toothwheel-like cross-section with rounded teeth crests (12) and rounded grooves (10) between the teeth (12) as well. The recesses (6) are provided each with a number of vertically extending lands (14) matching in shape the grooves (10). The studs easily slide in and out of the recesses (6), yet a rotational arretation of low play is obtained. Preferably, the building blocks are produced by a blowing process and may be provided with screws (21) for a safe interconnection. External slots (46) may allow the combination with panels (47) bearing images, additional functional elements etc.

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## INTERNATIONAL SEARCH REPORT

International Application No

PC 1/002004/000198

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 A63H33/08

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A63H

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6 129 605 A (BRADY CHRIS ET AL) 10 October 2000 (2000-10-10) column 7, line 59 - column 8, line 22; figures -----	1-6
A	US 5 795 210 A (KUSHNER PHILIP MARSHALL ET AL) 18 August 1998 (1998-08-18) column 2, line 66 - column 3, line 42; figures 1-4 -----	1-6
A	GB 2 136 700 A (HORNBY HOBBIES) 26 September 1984 (1984-09-26) abstract; figures -----	1-6
A	DE 42 12 492 A (FRENZEL HOLGER DR) 22 October 1992 (1992-10-22) column 5, line 24 - line 51; figure 6d ----- -/-	1-6

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

## \* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&amp;" document member of the same patent family

Date of the actual completion of the international search

25 October 2004

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## INTERNATIONAL SEARCH REPORT

International Application No

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 4 551 110 A (SELVAGE CRAIG C ET AL) 5 November 1985 (1985-11-05) column 4, line 52 - column 5, line 36; figures -----	7,8,10, 12-16

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/CH2004/000198

## Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this International application, as follows:

see additional sheet

As a result of the prior review under R. 40.2(e) PCT,  
all additional fees are to be refunded.

1. ☒ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

### Remark on Protest

- ☒ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-6,9

1.1. claims: 1,2-6

Toy building block with toothwheel-like studs and corresponding recesses. Solving the problem of avoiding rotation.

1.2. claims: 1,9

Toy building block manufactured by blowing. Solving the problem of manufacturing the block.

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2. claims: 1,10

Toy building block with slots for holding edges of panels. Solving the problem of securing panels.

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3. claims: 1,11

Toy building block that is bivalent consisting of a block having only recesses and a stud in form of a piece insertable into the recess. Solving the problem of choosing where to providing studs.

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4. claims: 1,7,8,12-16

Toy building block with a pass-through hole with thread so that blocks may be screwed together, in order to solve the problem of better securing blocks to eachother.

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